

IND PCT/09

RAW SEQUENCE LISTING

DATE: 10/16/2001

PATENT APPLICATION: US/09/674,445

TIME: 08:44:12

Input Set : A:\PTO.txt

Output Set: N:\CRF3\10162001\I674445.raw

ENTERED

3 <110> APPLICANT: Prieto Valtuena, Jesus
 4 Civeira Murillo, Pilar
 5 Larrea Leoz, Esther
 7 <120> TITLE OF INVENTION: USE OF INTERFERON ALPHA 5 IN THE TREATMENT OF VIRAL LIVER DISEASES

9 <130> FILE REFERENCE: U-013039-2
 11 <140> CURRENT APPLICATION NUMBER: 09/674445
 C--> 13 <141> CURRENT FILING DATE: 2001-07-05
 15 <150> PRIOR APPLICATION NUMBER: PCT ES99/00134
 17 <151> PRIOR FILING DATE: 1999-05-13
 19 <150> PRIOR APPLICATION NUMBER: ES P9801003
 21 <151> PRIOR FILING DATE: 1998-05-13
 23 <160> NUMBER OF SEQ ID NOS: 8
 25 <210> SEQ ID NO: 1
 27 <211> LENGTH: 274
 29 <212> TYPE: DNA
 31 <213> ORGANISM: Homo sapien
 33 <220> FEATURE:
 35 <223> OTHER INFORMATION: Nucleotides 672 - 945 in the sequence of the IFNa5 gene published in

36 the Genbank database under access number X02956.
 38 <400> SEQUENCE: 1
 40 tc cat gag atg atc cag cag acc ttc aat ctc ttc agc aca aag gac tca 50
 41 His Glu Met Ile Gln Gln Thr Phe Asn Leu Phe Ser Thr Lys Asp Ser
 42 1 5 10 15
 44 tot gct act tgg gat gag aca ctt cta gac aaa ttc tac act gaa ctt tac 101
 45 Ser Ala Thr Trp Asp Glu Thr Leu Leu Asp Lys Phe Tyr Thr Glu Leu Tyr
 46 20 25 30
 48 cag cag ctg aat gac ctg gaa gcc tgt atg atg cag gag gtt gga gtg gaa 152
 49 Gln Gln Leu Asn Asp Leu Glu Ala Cys Met Met Gln Glu Val Gly Val Glu
 50 35 40 45 50
 52 gac act cct ctg atg aat gtg gac tct atc ctg act gtg aga aaa tac ttt 203
 53 Asp Thr Pro Leu Met Asn Val Asp Ser Ile Leu Thr Val Arg Lys Tyr Phe
 54 55 60 65
 56 caa aga atc acc ctc tat ctg aca gag aag aaa tac agc cct tgt gca tgg 254
 57 Gln Arg Ile Thr Leu Tyr Leu Thr Glu Lys Lys Tyr Ser Pro Cys Ala Trp
 58 70 75 80
 59 gag gtt gtc aga gca gaa at 274
 60 Glu Val Val Arg Ala Glu
 61 85 90

64 <210> SEQ ID NO: 2
 66 <211> LENGTH: 20
 68 <212> TYPE: DNA
 70 <213> ORGANISM: Artificial Sequence
 72 <220> FEATURE:
 74 <223> OTHER INFORMATION: Primer to amplify a fragment of 274 base pairs located
 75 between nucleotides 240 - 514 in the human IFNa gene
 77 <400> SEQUENCE: 2
 79 tccatgagat gatccagcag 20

RAW SEQUENCE LISTING

DATE: 10/16/2001

PATENT APPLICATION: US/09/674,445

TIME: 08:44:12

Input Set : A:\PTO.txt

Output Set: N:\CRF3\10162001\I674445.raw

```

82 <210> SEQ ID NO: 3
84 <211> LENGTH: 22
86 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
92 <223> OTHER INFORMATION: Primer to amplify a fragment of 274 base pairs located
93     between nucleotides 240 - 514 in the human IFNa gene
95 <400> SEQUENCE: 3
97 atttctgctc tgacaacctc cc                                22
100 <210> SEQ ID NO: 4
102 <211> LENGTH: 21
104 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
110 <223> OTHER INFORMATION: Primer to amplify a fragment of 276 base pairs located
111     between nucleotides 349 - 625 of cDNA of human IFN gene
113 <400> SEQUENCE: 4
115 tctagcactg gctggaatga g                                21
117 <210> SEQ ID NO: 5
119 <211> LENGTH: 21
121 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer to amplify a fragment of 276 base pairs located
128     between nucleotides 349 - 625 of cDNA of human IFN gene
130 <400> SEQUENCE: 5
132 gtttcggagg taacctgtaa g                                21
135 <210> SEQ ID NO: 6
137 <211> LENGTH: 20
139 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
145 <223> OTHER INFORMATION: Primer to amplify a fragment of 314 base pairs
146     (nucleotides 1319 - 2079) of the -actin gene
148 <400> SEQUENCE: 6
150 tctacaatga gctgcgtgtg                                20
153 <210> SEQ ID NO: 7
155 <211> LENGTH: 20
157 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
163 <223> OTHER INFORMATION: Primer to amplify a fragment of 314 base pairs
164     (nucleotides 1319 - 2079) of the -actin gene
166 <400> SEQUENCE: 7
168 ggtgaggatc ttcatgaggt                                20
170 <210> SEQ ID NO: 8
172 <211> LENGTH: 23
174 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 10/16/2001

PATENT APPLICATION: US/09/674,445

TIME: 08:44:12

Input Set : A:\PTO.txt

Output Set: N:\CRF3\10162001\I674445.raw

178 <220> FEATURE:

180 <223> OTHER INFORMATION: DNA fragment for use in determining C virus genotype

182 <400> SEQUENCE: 8

184 grccgtcttg gggccmaa at gat

23

007077 54444500

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/674,445

DATE: 10/16/2001

TIME: 08:44:13

Input Set : A:\PTO.txt

Output Set: N:\CRF3\10162001\I674445.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

00T0T" 5444560